

a conductive reflecting film on said phosphor screen; and
a sol uniformly applied to said conductive reflecting film
that, when baked, forms an oxide as a heat absorbing film, said
sol containing a material in a colloidal state.

5. (Twice-amended) The color cathode-ray tube according to
claim 4, wherein the material is at least one member selected
from a group consisting of silicon, manganese, aluminum and tin
antimonide.

6. (Twice-amended) The color cathode-ray tube according to
claim 5, wherein the sol is dispersed with a fine carbon powder.

7. (amended) The color cathode-ray tube according to claim
4, wherein a dispersion medium of said sol evaporates at a
temperature equal to or more than an ordinary temperature before
said sol is applied to said conductive reflecting film.

8. (amended) The color cathode ray tube wherein said sol
is a product generated by hydrolysis of an alkoxide.